

ABSTRACT OF THE DISCLOSURE

Seal devices of this invention are prepared by the process
5 of depositing a polymer material onto a metallic substrate to
form a composite construction, and shape forming the composite
construction into the shape of a seal device. The so-formed seal
device comprises a casing member that is formed from the
metallic substrate, and a sealing element disposed along a
10 surface of the casing member that is formed from the polymer
material for placement against a sealing surface. Seal devices
of this invention can be shaped formed into a variety of
different types of seals, e.g., lips seals, L-shaped seals, and
U-cup seals, which may or may not be energized. Seal devices
15 prepared according to this invention using such preformed
composite construction enable seal formation by a single step of
shape forming, without having to both make and form individual
seal members, and subsequently combine or join the separately
formed seal members together.

20

MAC PAS398364 2-* 12/21/01 11:49 AM

25

30

35